

ADDITIONS TO A BIBLIOGRAPHY OF COLORADO VEGETATION DESCRIPTION

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ABSTRACT.—A list of 80 references to Colorado vegetation description is presented, along with county and subject indexes to the list. This list expands an earlier list (663) to include literature through 1983.

The literature describing vegetation in Colorado is expanding rapidly, with most research occurring in the vicinity of universities and in areas of potential energy development. This latter body of literature consists largely of unpublished technical reports that provide background data for environmental impact statements. Much of this invaluable material is not available to the public, though it may represent the only research ever conducted on the vegetation in some areas of Colorado. Lacking access to some of this literature, this list follows the earlier (663) in reporting most published, but only selected unpublished references to vegetation description in Colorado, with less thorough coverage of related subjects.

Criteria for inclusion in the list, use of indexes, and adequacy of coverage are explained in the earlier list. All references not contained in the following subject index to related topics pertain solely to vegetation description. Counties not listed in the County Index had no references.

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BIBLIOGRAPHY

661. Baker, W. L. 1982a. Vegetation description in Colorado—where are the gaps? *J. Colo.-Wyom. Acad. Sci.* 14(1):39 (Abstract).

662. Baker, W. L. 1982b. Natural vegetation of the Piceance Basin, Colorado. Appendix D. Pages 1-113 in J. S. Peterson, and W. L. Baker, eds., *Inventory of the Piceance Basin, Colorado: threatened and endangered plants, plant associations, and the general flora*. Unpublished report prepared for the Craig District Office, Bureau of Land Management, Craig, Colorado, by Colorado Natural Heritage Inventory, Denver.

663. Baker, W. L. 1983a. A bibliography of Colorado vegetation description. *Great Basin Nat.* 43(1):45-64.

664. Baker, W. L. 1983b. A preliminary classification of the natural vegetation of Colorado. Unpublished report, Colorado Natural Heritage Inventory, Denver. 17 pp.

665. Baker, W. L. 1983c. Plant associations of special concern in Colorado. Unpublished report, Colorado Natural Heritage Inventory, Denver. 18 pp.

666. Baker, W. L. 1983d. Some aspects of the pre-settlement vegetation of the Piceance Basin, Colorado. *Great Basin Nat.* 43(4):687-699.

667. Baker, W. L. 1983e. Natural vegetation of part of northwestern Moffat County, Colorado. Vol. III, Pages 1-121 in J. S. Peterson and W. L. Baker, eds., *Inventory of selected areas in Colorado*. Unpublished report prepared for the Colorado Natural Areas Program, Dept. of Natur. Resources, Denver, Colorado, by Colorado Natural Heritage Inventory, Denver.

668. Beidleman, R. G. 1957. An annotated check list of the flora and fauna of Dinosaur National Monument. Unpublished report, Dinosaur National Monument, Dinosaur, Colorado.

669. Brandegee, T. S. 1876. The flora of southwestern Colorado. *Bull. U.S. Geol. and Geogr. Survey of the Territories* II(3):227-248.

670. Brown, D. E., ed. 1982. Biotic communities of the American southwest—United States and Mexico. *Desert Plants* 4(1-4):1-342.

671. Brown, D. E., and C. H. Lowe. 1980. Biotic communities of the southwest. USDA For. Serv. Gen. Tech. Rep. RM-78, Rocky Mt. For. and Range Exp. Sta., Fort Collins, Colorado. [Map].

672. Bye, R. A., and M. E. Floyd. 1980. Vegetation map of the Dolores Archaeological Project. Dolores Archaeological Project 1980 Report.

673. Camp Dresser & McKee, Inc. 1980. Mount Emmons project transmission line corridor selection studies. Tech. Rep. Vol. No. 8, Appendix Tables D10-D82: Vegetation Stand Sample Tables. Unpublished report prepared for AMAX Environmental Services, Inc., Denver, Colorado, by Camp Dresser & McKee, Inc., Wheat Ridge, Colorado.

674. Clements, F. E. 1920. Plant indicators: the relation of plant communities to process and practice. *Carnegie Inst. of Wash. Publ.* 290. [Chapter IV. Climax Formations of Western North America].

675. Crouch, G. L. 1983. Effects of commercial clear-cutting of aspen on understory vegetation and wildlife habitat values in southwestern Colorado. USDA For. Serv. Res. Paper RM-246, Rocky Mt. For. & Range Exp. Sta., Fort Collins, Colorado. 8 pp.

676. DeVelice, R. L. 1983. Forest vegetation of northern New Mexico and southern Colorado. Unpublished dissertation. New Mexico State Univ., Los Alamos. 191 pp.

677. DeVelice, R. L., and J. A. Ludwig. 1983. Climax forest series of northern New Mexico and southern Colorado. Pages 45-53 in W. H. Moir and L. Hendzel, tech. coords., *Proceedings of the Workshop on Southwestern Habitat Types* [6-8 April 1983, Albuquerque, New Mexico], USDA For. Serv., Southwestern Region, Albuquerque, New Mexico.

678. Doty, C. A. 1982. Effects of Gunnison prairie dogs (*Cynomys gunnisoni gunnisoni*) on vegetation. Unpublished thesis. Colorado State Univ., Fort Collins.

679. Elliot-Fisk, D. L., B. S. Adkins, and J. L. Spaulding. 1983. A re-evaluation of the postglacial vegetation of the Laramie Basin, Wyoming-Colorado. *Great Basin Nat.* 43(3):377-384.

680. Ellis, S. 1981. Vegetation baseline report: GCC reservoir site and pipeline corridor. Unpublished report prepared for Getty Oil Co., Cities Service Co., and Chevron Shale Oil Co. (GCC Joint Venture) by Environmental Research and Technology, Inc., Fort Collins, Colorado.

681. Ellis, S., and P. Hackney. 1981. Vegetation baseline report: Clear Creek property. Unpublished report prepared for Chevron Shale Oil Company, Denver, Colorado, by Environmental Research and Technology, Inc., Fort Collins, Colorado. 2 Vols.

682. Emerick, J. C., and P. J. Webber. 1982. The effects of augmented winter snow cover on the canopy structure of alpine vegetation. Pages 63-81 in J. C. Halfpenny, ed., *Ecological studies in the Colorado Alpine: a festschrift for John W. Marr*, Univ. of Colorado Inst. of Arctic and Alpine Res. Occas. Paper 37, Boulder.

683. Engle, D. M., C. D. Bonham, and L. E. Bartel. 1983. Ecological characteristics and control of Gambel oak. *J. Range Mgmt.* 36(3):363-365.

684. Erdman, J. A., C. L. Douglas, and J. W. Marr. 1969. Wetherill Mesa studies: environment of Mesa Verde, Colorado. USDI National Park Serv. Archaeol. Res. Series 7-B. 72 pp.

685. Fischer, N. T., M. S. Toll, A. C. Cully, and L. D. Potter. 1983. Vegetation along Green and Yampa rivers and response to fluctuating water levels, Dinosaur National Monument. Final report to the USDI National Park Serv., Denver, Colorado, by the Biology Dept., Univ. of New Mexico, Albuquerque. 179 pp.

686. Flock, J. W. 1983. Changes in alpine plant communities. *J. Colo.-Wyom. Acad. Sci.* 15(1):37 (Abstract).

687. Floyd, M. E. 1981. The reproductive biology of two species of Piñon pine in the southwestern United States and northern Mexico. Unpublished dissertation. Univ. of Colorado, Boulder. 269 pp.

688. Floyd, M. E. 1982. The interaction of piñon pine and Gambel oak in plant succession near Dolores, Colorado. *Southwest Nat.* 27:143-147.

689. Francis, R. E. 1983. Sagebrush-steppe habitat types in northern Colorado: a first approximation. Pages 67-71 in W. H. Moir, and L. Hendzel, tech. coords., *Proceedings of the Workshop on Southwestern Habitat Types*. USDA For. Serv., Southwestern Region, Albuquerque, New Mexico.

690. Goodrich, S., E. Neese, J. S. Peterson, and L. England. 1981. Vascular plants of the Uinta Basin, Utah and Colorado. USDI Bur. of Land Management, Denver, Colorado.

691. Hartman, J., and R. Mitchell. 1979. Plants of Mount Goliath Research Natural Area. *Prairie Naturalist* 11(2):39-48.

692. Helm, D. 1982. Multivariate analysis of alpine snowpatch vegetation cover near Milner Pass, Rocky Mountain National Park, Colorado, USA Arctic and Alpine Res. 14:87-95.

693. Hess, D. W. 1982. The vegetation of Bent's Old Fort, Colorado: 1846 and 1981. *J. Colo.-Wyo. Acad. Sci.* 14(1):47 (Abstract).

694. Hess, K., and C. Wasser. 1983. Distributional pattern of high elevation grasslands on the White River Plateau, Colorado. Soc. Range Mgmt. 35th annual meeting, Calgary, Alberta, Abstracts p. 36.

695. Hoffman, G. R., and R. R. Alexander. 1983. Forest vegetation of the White River National Forest in western Colorado: a habitat type classification. USDA For. Serv. Research Paper RM-249. Rocky Mt. For. & Range Exp. Sta., Fort Collins, Colorado. 36 pp.

696. Holmgren, A. H. 1962. The vascular plants of the Green River from Flaming Gorge to Split Mountain Gorge. Unpublished report prepared for Dinosaur National Monument by Utah State Univ., Logan. 40 pp.

697. Holtmeier, F. K. 1981. What does the term "Krummholz" really mean? Observations with special reference to the Alps and the Colorado Front Range. *Mt. Res. and Develop.* 1(3-4):253-260.

698. Ives, J. D., and K. J. Hansen-Bristow. 1983. Stability and instability of natural and modified upper timberline landscapes in the Colorado Rocky Mountains, USA. *Mt. Res. and Develop.* 3(2):149-155.

699. Knowles, P., and M. C. Grant. 1983. Age and size structure analyses of Engelmann spruce, ponderosa pine, lodgepole pine, and limber pine in Colorado. *Ecology* 64(1):1-9.

700. Komárková, V., and H. Gordon. 1982. The recovery of plant communities after disturbance along the Front Range, Colorado. Unpublished report, Colorado Commission on Higher Education, Denver. 271 pp.

701. Lindauer, I. E. 1983. A comparison of the plant communities of the South Platte and Arkansas river drainages in eastern Colorado. *Southwest Nat.* 28(3):249-259.

702. Lindauer, I. E., C. E. Olmsted, III, W. A. Kelley, and W. F. Grey. 1982. Terrestrial ecosystems of northwest Colorado: an annotated bibliography and vegetation classification. Unpublished report prepared for the State Office, Bureau of Land Management, by Univ. of Northern Colorado, Greeley. 123 pp.

703. Lynch, D. L. 1973. An ecosystem guide for mountain land planning, Level 1. Coll. of For. and Natur. Resources, Colorado State Univ., Fort Collins. 94 pp.

704. MacKay, H. A. 1970. A comparative floristic study of the Rio Hondo Canyon-Lake Fork-Wheeler Peak locale, New Mexico, and the Huerfano River-Blanca Peak locale, Colorado. Unpublished dissertation. Univ. of New Mexico, Albuquerque. 226 pp.

705. Markgraf, V., and L. Scott. 1981. Lower timberline in central Colorado during the past 15,000 years. *Geology* 9:231-234.

706. May, D. E., and P. J. Webber. 1982. Spatial and temporal variation of the vegetation and its productivity, Niwot Ridge, Colorado. Pages 35-62 in J. C. Halfpenny, ed., *Ecological studies in the Colorado Alpine: a festschrift for John W. Marr*. Univ. of Colorado, Inst. of Arctic and Alpine Research Occas. Paper 37. Boulder.

707. Moir, W. 1971. Tall grass prairies in remnant locations in Boulder and Jefferson counties, Colorado. Unpublished report on file at Colorado Natural Heritage Inventory, Denver.

708. Moore, C. T. 1972. Man and fire in the central North American grassland 1535-1890: a documentary historical geography. Unpublished dissertation, Univ. of California, Los Angeles. 155 pp.

709. Murphy, P. H. 1982. The forest vegetation of the Lost Creek area in the southern Front Range, Colorado. Unpublished thesis. Univ. of Colorado, Boulder. 145 pp.

710. Nichols, H. 1982. Review of Late Quaternary history of vegetation and climate in the mountains of Colorado. Pages 27-33 in J. C. Halfpenny, ed., *Ecological studies in the Colorado Alpine: a festschrift for John W. Marr*. Univ. of Colorado Inst. of Arctic and Alpine Res. Occas. Paper 37, Boulder.

711. Parker, A. J., and K. C. Parker. 1983. Comparative successional roles of trembling aspen and lodgepole pine in the southern Rocky Mountains. *Great Basin Nat.* 43(3):447-455.

712. Peterson, J. S., and W. L. Baker. 1982. Inventory of the Piceance Basin, Colorado: threatened and endangered plants, plant associations, and the general flora. Unpublished report prepared for the Craig District Office, Bureau of Land Management, Craig, Colorado, by Colorado Natural Heritage Inventory, Denver. 5 vols.

713. Peterson, J. S., and W. L. Baker. 1983a. Inventory of the Piceance Basin, Colorado: threatened and endangered plants, plant associations, and the general flora. *J. Colo.-Wyo. Acad. Sci.* 15(1):42-43 (Abstract).

714. Peterson, J. S., and W. L. Baker. 1983b. Inventory of selected areas in Colorado. Unpublished report prepared for the Colorado Natural Areas Program, Department of Natural Resources, Denver, Colorado, by Colorado Natural Heritage Inventory, Denver. 3 vols.

715. Phillips, V. D., III. 1982. Responses by alpine plants and soils to microtopography within sorted polygons. Unpublished dissertation. Univ. of Colorado, Boulder. 219 pp.

716. Quinn, J. A. 1974. Factors contributing to the discontinuous distribution of piñon pine in the Front Range of Colorado. Unpublished thesis. Univ. of Colorado, Boulder. 81 pp.

717. Reichhardt, K. L. 1982. Succession of abandoned fields on the shortgrass prairie, northeastern Colorado. *Southwest Nat.* 27:299-304.

718. Rio Blanco Oil Shale Co. 1975. Progress report 4—summary: tract C-a oil shale development. Gulf Oil Corp. and Standard Oil Co., Denver, Colorado.

719. Rio Blanco Oil Shale Co. 1980. Rio Blanco Oil Shale Company modular development phase monitoring

report 6. Mid-year report, December 1979–May 1980. Rio Blanco Oil Shale Co., Denver, Colorado. 2 vols.

720. Rio Blanco Oil Shale Co. 1981. Rio Blanco Oil Shale Company modular development phase monitoring report 7. Year-end report. December 1979–November 1980. Rio Blanco Oil Shale Co., Denver, Colorado. [Vegetation: Appendix 3-1].

721. Rottman, M. L., and E. L. Hartman. 1982. A floristic study of North Pole Basin, Elk Mountains, Colorado. *J. Colo.-Wyom. Acad. Sci.* 14(1):39–40 (Abstract).

722. Schmid, J. M., and R. H. Frye. 1977. Spruce beetle in the Rockies. *USDA For. Serv. Gen. Tech. Rep. RM-49*. Rocky Mt. For. & Range Exp. Sta., Fort Collins, Colorado. 38 pp.

723. Schmidt, R. A., Sr., ed. 1983. Management of cottonwood-willow riparian associations in Colorado. Colorado Chapter, The Wildlife Society. 53 pp.

724. Shantz, H. L. 1905. A study of the vegetation of the mesa region east of Pike's Peak: the *Bouteloua* formation. I. Structure of the formation. II. Development of the formation. Unpublished dissertation. Univ. of Nebraska, Lincoln.

725. Slauson, W. L., C. W. Welden, and R. T. Ward. 1952. Pattern and size relationships in *Pinus edulis* and *Juniperus osteosperma* in northwest Colorado. *J. Colo.-Wyom. Acad. Sci.* 14(1):31 (Abstract).

726. Somers, L. P., III. 1981. Carbon junction coal mine vegetation study, Pueblo Coal Co., La Plata County, Colorado. Unpublished report prepared by Four Corners Environmental Research Institute, Durango, Colorado. 32 pp.

727. Starr, S. E. 1983. The alpine vegetation of Gold Ridge, Colorado. Unpublished thesis. Western State College, Gunnison, Colorado. 85 pp.

728. Stearns-Roger, Inc. 1970. Site investigations: Hayden and Craig, Colorado. Phase B. Unpublished report prepared for Colorado Ute Electric Assoc., Montrose, Colorado, by Stearns-Roger, Inc., Environmental Sciences Division, Denver, Colorado.

729. Steele, C. S. 1983. Vegetation of the Dakota hogback in Colorado, relative to edaphic factors and slope orientation. *J. Colo.-Wyom. Acad. Sci.* 15(1):27 (Abstract).

730. Stevens, D. R. 1983. Revegetation of the Ouzel Burn in Rocky Mountain National Park. *J. Colo.-Wyom. Acad. Sci.* 15(1):25 (Abstract).

731. Turner, G. T. 1971. Soil and grazing influences on a salt-desert shrub range in western Colorado. *J. Range Mgmt.* 24:31–37.

732. USDA Forest Service. 1979. Region 2: Plant Series Maps. *USDA For. Serv. Regional Office, Range, Wildlife, and Ecology*, Denver, Colorado.

733. USDA Forest Service. 1983. Plant associations of Region Two. 3d ed. *USDA For. Serv., Region Two, Range, Wildlife, and Ecology*, Denver, Colorado. 379 pp.

734. USDA Soil Conservation Service. 1976. Land use and natural plant communities-maps. *USDA Soil Conserv. Serv.*, Portland, Oregon.

735. Vale, T. R. 1975. Presettlement vegetation in the sagebrush-grass area of the Intermountain West. *J. Range Mgmt.* 28:32–36.

736. Weber, W. A. 1964. Botany of the Boulder region. *Univ. of Colorado Museum Leaflet* 13:43–46.

737. Weber, W. A., V. Siplivinsky, and C. Rector. 1982. A checklist of vascular plants of Mesa County and Colorado National Monument, Univ. of Colorado Herbarium, Boulder. 77 pp.

738. Weber, W. A., J. Wingate, and B. Macleod. 1982. A checklist of vascular plants of Moffat County, Univ. of Colorado Herbarium, Boulder. 65 pp.

739. Welden, C. W. 1982. Pattern in alpine tundra. *J. Colo.-Wyom. Acad. Sci.* 14(1):31 (Abstract).

740. Williams, G. P. 1978. Historical perspective of the Platte rivers in Nebraska and Colorado. Pages 11–41 in W. D. Graul and S. J. Bissell, tech. coords., *Lowland River and Stream Habitat in Colorado: a symposium*. Colorado Chapter Wildlife Soc. and Colorado Audubon Council, Denver.